

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10311	t04-g02a.epi.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 09:56
L2	0	1 & ((print\$4 near4 drive\$4) with (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:00
L3	45	1 & ((insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:20
L4	5	3 & (print\$4 near4 drive\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:20
L5	779	1 & (print\$4 near4 drive\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:20
L6	45	5 & (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:23
L7	0	(print\$4 near4 drive\$4) with (insert\$4 near5 menu near4 control near3 display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:26
L8	0	(print\$4 near4 drive\$4) with (insert\$4 near5 menu near4 control\$4 near3 display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:26

EAST Search History

L9	0	(print\$4 near4 drive\$4) with (insert\$4 near5 menu near3 display\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:27
L10	5	(print\$4 near4 drive\$4) & (insert\$4 near5 menu near3 display\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:55
L11	2	("6857102").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/23 11:04
L12	0	("printer\$5control\$5").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/23 11:05
L13	2	printer near5 control\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:05
L14	74000	printer & (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:13
L15	5	5 & 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:12
L16	5	5 & 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:11

EAST Search History

L17	11228	14 & (print\$4 near4 drive\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:12
L18	11174	(print\$4 near3 drive\$4) & (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:13
L19	1151	(print\$4 near3 drive\$4) with (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:14
L20	617	(print\$4 near3 drive\$4) near4 (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:14
L21	553	(print\$4 near3 drive\$4) near3 (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:14
L22	51	(print\$4 near3 drive\$4) adj (display\$4 near5 (panel lcd screen))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 11:14
S1	7880	(358/1.15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/22 15:21
S2	0	(print&4 near4 drive\$4) with (insert\$4 combine\$6 add\$6 synthesiz\$5 supperimpos\$4 interpolar\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:18

EAST Search History

S3	289	(print\$4 near4 drive\$4) with (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolar\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 10:25
S4	0	S1 & S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:21
S5	30	S1 & S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:51
S6	194	S3 & (printer\$4 near4 driver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:51
S7	194	S6 & (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolar\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:57
S8	7	S7 & (insert\$3 near3 device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:56
S9	7	S7 & (insert\$3 near4 device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:54
S10	9	S7 & (insert\$3 with device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:56

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S11	7370	(print\$4 near4 drive\$4) & (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:55
S12	909	S11 & (insert\$3 with device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:04
S13	515	S11 & (insert\$3 near3 device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:56
S14	515	S13 & (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4) near5 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:57
S15	498	S13 & (insert\$4 combine\$6 add\$3 synthesiz\$5 supperimpos\$4 interpolat\$4 interlace\$4 merg\$4 overlap\$4) near4 (text id barcode image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:57
S16	37	S15 & (UI "uset interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:59
S17	293	S15 & (UI "user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:59
S18	0	S15 & ((UI "uset interface") near4 up near3 down near3 righ near3 left)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:00

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S19	0	S15 & ((UI "user interface") near4 up near3 down near3 right near3 left)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:01
S20	0	S11 & ((UI "user interface") near4 up near3 down near3 right near3 left)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:01
S21	1	S11 & ((UI "user interface") near4 up near3 down)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:02
S22	4	(printer\$4 near5 driver\$5) & ((UI "user interface") near4 up near3 down)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:03
S23	373752	11& (UI "user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:03
S24	2130	S11 & (UI "user interface")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:03
S25	457	S24 & (insert\$3 with device)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:04
S26	177	S25 & (user\$1 near5 input near4 display\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:05

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S27	141	S26 & (text near4 image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:05
S28	140	S26 & (text near3 image)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:08
S29	2	S28 & (drag\$4 near4 drop\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:06
S30	113	S28 & (preview\$3 near4 (photo image picture))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:09
S31	107	S30 & (digital near4 camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:13
S32	0	S31 & prviewing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:14
S33	0	S31 & pre-viewing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:14
S34	107	S31 & print\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:16

EAST Search History

S35	6	S31 & (print\$5 near3 driver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 16:19
S36	2	("6362688").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/22 16:20


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 Terms used printer output functions

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1 [A set of output functions for a utility library](#)



Richard Levine

 September 1986 **ACM SIGAPL APL Quote Quad**, Volume 17 Issue 1

Publisher: ACM Press

 Full text available: pdf(532.90 KB) Additional Information: [full citation](#), [index terms](#)

2 [Pareto-optimal formulations for cost versus colorimetric accuracy trade-offs in printer color management](#)



D. J. Littlewood, P. A. Drakopoulos, G. Subbarayan

 April 2002 **ACM Transactions on Graphics (TOG)**, Volume 21 Issue 2

Publisher: ACM Press

 Full text available: pdf(9.84 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Color management for the printing of digital images is a challenging task, due primarily to nonlinear ink-mixing behavior and the presence of redundant solutions for print devices with more than three inks. Algorithms for the conversion of image data to printer-specific format are typically designed to achieve a single predetermined rendering intent, such as colorimetric accuracy. In the present paper we present two CIELAB to CMYK color conversion schemes based on a general Pareto-optimal formul ...

Keywords: Artificial Neural Networks, CMYK, Color Conversion, Color Fidelity, Color Management, Color Matching, Color Printing, Color Space Transformation, Optimization, Pareto-optimization, Tetrahedral Interpolation

3 [Operators considered harmful](#)



Martin Gfeller

 September 1986 **ACM SIGAPL APL Quote Quad**, Volume 17 Issue 1

Publisher: ACM Press

 Full text available: pdf(532.90 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A set of output utility functions is described that allows the programmer to direct output to four different output devices (array, file, printer, and terminal) in a device-independent manner. These output functions provide the programmer with the ability to switch output devices without recoding application programs, and the ability to control particular device characteristics. The functions include logic for line counting and (optional) page headings, and are easy to learn and use. Technical n ...

4

[Remote job entry and output through APL](#)



Uday G. Gujar

June 1975 **Proceedings of seventh international conference on APL****Publisher:** ACM PressFull text available: [pdf\(535.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The power of interactive computing and especially of APL is already well recognized. Some limitations and inconveniences of processing a job through batch can at least partially be offset by providing a similar processing capability for O.S. jobs from an APL terminal. This paper describes such a facility. The system, called RJE/RJO, is first described from the APL user's point of view. The later portion of the paper discusses the system design and implementation. The facility, which has sat ...

5 Using the new common Lisp pretty printer

Richard C. Waters

April 1992 **ACM SIGPLAN Lisp Pointers**, Volume V Issue 2**Publisher:** ACM PressFull text available: [pdf\(569.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Although not part of the initial definition of the language, pretty printing has been an important feature of Lisp programming environments for twenty years or more [1]. By the time Common Lisp was being defined, the importance of pretty printing was clear enough that pretty printing was made a formal part of the language [2]. However, little was done beyond recognizing the least common denominator of the pretty printing facilities available at the time---[2] specifies how pretty printing can be ...

6 Aspects of applicative programming for file systems (Preliminary Version)

Daniel P. Friedman, David S. Wise

March 1977 **ACM SIGSOFT Software Engineering Notes , ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices , Proceedings of an ACM conference on Language design for reliable software**, Volume 2 , 11 , 12 Issue 2 , 2 , 3**Publisher:** ACM PressFull text available: [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper develops the implications of recent results in semantics for applicative programming. Applying suspended evaluation (call-by-need) to the arguments of file construction functions results in an implicit synchronization of computation and output. The programmer need not participate in the determination of the pace and the extent of the evaluation of his program. Problems concerning multiple input and multiple output files are considered: typical behavior is illustrated with an exam ...

Keywords: Functional combination, Real time, Recursive programming, Referential transparency, Shared file, Suspension, Text editor

7 An operational semantics for I/O in a lazy functional language

Andrew D. Gordon

July 1993 **Proceedings of the conference on Functional programming languages and computer architecture****Publisher:** ACM PressFull text available: [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**8** End-user KESSU

Eeva-Liisa Kaski

May 1990 **ACM SIGAPL APL Quote Quad , Conference proceedings on APL 90: for the future APL '90**, Volume 20 Issue 4**Publisher:** ACM PressFull text available: [pdf\(646.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Since 1982, when the Finnish macro-economic model (KESSU) was presented in Heidelberg, its DP system has undergone substantial changes: it now runs wholly in APL both on mainframe and in micros (PC/AT, PS2/80). A short history of the model used by the Finnish Ministry of Finance and its ADP history is presented in the paper. The present version of the model management system is less complicated for the user than a teller machine. Behind the deceptively simple menu facia ...

9 Programmed methods for printer graphical output



David Garfinkel

September 1962 **Communications of the ACM**, Volume 5 Issue 9

Publisher: ACM Press

Full text available: [pdf\(343.90 KB\)](#) Additional Information: [full citation](#), [abstract](#)

It is frequently desirable to display the results of computation in a graphical form. This is often done through the use of special hardware such as digital X,Y-plotters. Programmed graphical output for standard printers is preferable in several situations: (1) when economic considerations do not justify the expense of special hardware for the purpose, (2) when a combination of graphical output with some other kind, such as explanatory material, is desired, ...

10 Concise reference manual for the Series macro package



Richard C. Waters

July 1989 **ACM SIGPLAN Lisp Pointers**, Volume III Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.85 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Series expressions are transformed into loops by pipelining them---the computation is converted from a form where entire series are computed one after the other to a form where the series are incrementally computed in parallel. In the resulting loop, each individual element is computed just once, used, and then discarded before the next element is computed. For this pipelining to be possible, four restrictions have to be satisfied. Before looking at these restrictions, it is useful to consider a ...

11 User Format Control in a LISP Prettyprinter



Richard C. Waters

October 1983 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 5 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.25 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Medical applications of data-driven APL programs



W. Hagamen, W. Bell, J. Lincoln, D. Linden, J. Weber

June 1975 **Proceedings of seventh international conference on APL**

Publisher: ACM Press

Full text available: [pdf\(535.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The program generator does not produce APL code. The programmer is asked a series of questions. The answers to the questions are stored as data. This data drives the basic APL functions common to all programs, and makes each program unique. In order to avoid confusing this data with that which is subsequently entered via the application program it self , we shall refer to the data that drives the programs as "program data". Information entered through the ...

13 Geographic Data Processing



George Nagy, Sharad Wagle

June 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(4.20 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**14** Development of a Batch APL System

James F. Clementi, Peter Sandery

January 1974 **Proceedings of the sixth international conference on APL****Publisher:** ACM PressFull text available:  [pdf\(1.17 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper discusses the reasons for the development of a Batch APL System for use in Secondary Schools and the stages of development through which the system has passed. In particular, the solution to the problem of preparation of student input by use of an Optical Mark Read Card and the solution to the problem of high speed output via an APL Print Chain are discussed.

15 Informatics: input and output: On FROFF: a text processing system for English texts and figures

Norihiro Abe, Nobutaka Uemura, Masahiro Higashide, Saburo Tsuji

September 1980 **Proceedings of the 8th conference on Computational linguistics****Publisher:** Association for Computational LinguisticsFull text available:  [pdf\(638.08 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#)

In order to meet the needs of a publication of papers in English, many systems to **run off** texts have been developed. In this paper, we report a system **FROFF** which can make a fair copy of not only texts but also graphs and tables indispensable to our papers. Its selection of fonts, specification of character size are dynamically changeable, and the typing location can be also changed in lateral or longitudinal directions. Each character has its own width and a line length is counted ...

16 Measuring memory protection


Douglas Cook

May 1978 **Proceedings of the 3rd international conference on Software engineering****Publisher:** IEEE PressFull text available:  [pdf\(570.75 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


A protection measure based on a simple model of a protection system is presented. The measure shows how closely a computer system adheres to the principle of minimum privilege. Its application to the operating system of the Cambridge University CAP computer is described and ways of bringing the operating system closer to a state of minimum privilege are discussed. The results of this work have demonstrated that the measure provides a useful tool for the designers of operating systems and ot ...

17 Document Formatting Systems: Survey, Concepts, and Issues

Richard Furuta, Jeffrey Scofield, Alan Shaw

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3**Publisher:** ACM PressFull text available:  [pdf\(5.36 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**18** Systems programming tools

Harold A. Driscoll

June 1975 **Proceedings of seventh international conference on APL****Publisher:** ACM PressFull text available:  [pdf\(227.65 KB\)](#)Additional Information: [full citation](#), [abstract](#), [index terms](#)

APL, both as a language and as a time sharing implementation, provides a powerful vehicle for constructing systems programming tools. This paper describes one such

workspace for working with OS MVT, its uses, and some of the techniques used in constructing it.

19 Process Communication Based on Input Specifications



Jan van den Bos, R. Plasmeijer, Jan W. M. Stroet

July 1981 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 3 Issue 3

Publisher: ACM Press

Full text available: [pdf\(1.59 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



20 Computer-music interfaces: a survey



Bruce W. Pennycook

June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2

Publisher: ACM Press

Full text available: [pdf\(2.04 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



This paper is a study of the unique problems posed by the use of computers by composers and performers of music. The paper begins with a presentation of the basic concepts involved in the musical interaction with computer devices, followed by a detailed discussion of three musical tasks: music manuscript preparation, music language interfaces for composition, and real-time performance interaction. Fundamental design principles are exposed through an examination of several early computer mus ...

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